

INFORMATION REPORT

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25X1A

COUNTRY India

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SUBJECT Transportation System and Equipment of the Tata Iron & Steel Co/Replacement Costs NO. OF PAGES 2

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Locomotive Steam Cranes

1. This division comprises a total of 28 cranes of which for operating purposes 9 are usually assigned to the Scrap and Salvage, 2 to General Maintenance, 1 to Construction, 1 to Transportation and remainder work in various departments according to current requirements. Only 24 cranes, however, are carried in the department's property records as 4 of which are permanently stationed are carried in the records of the respective departments. The capacities of these 24 cranes are as follows:-
 - (a) 1 = 5 ton
 - (b) 3 = 6 ton
 - (c) 3 = 10 ton
 - (d) 4 = 20 ton
 - (e) 2 = 24 ton
 - (f) 7 = 30 ton
 - (g) 2 = 40 ton
 - (h) 1 = 50 ton
 - (i) 1 = 75 ton
2. The replacement programme contemplates replacing these cranes at the rate of one per year. The expansion scheme is expected to require the purchase of 3 additional locomotive cranes.
3. Under this property account there are 32 Broad gauge locomotives, mainly of the 0-6-0 type and mostly of American Locomotive and Porter manufacture. In addition there are 2 Narrow gauge 0-6-0 and 1 30" gauge locomotives. A Diesel

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-2-

locomotive and certain narrow gauge locomotives are carried in the property accounts of other departments.

4. It is projected to replace gradually most of the steam with diesel locomotives. Two diesels have already been ordered in anticipation of the expansion scheme and it is the present programme to replace old steam with diesel locomotives at the rate of one per year. A locomotive running and repair shed is being built currently. The expansion scheme provides for the construction in addition of a locomotive overhauling shed.

Track System

5. The standard gauge tracks in and around the Works including the line to the B. N. Railway at Tatanagar station aggregates approximately 150 miles with 600 sets of points and crossings, 11 diamond crossings and one scissors crossing. There are about nine miles of narrow gauge tracks with 43 points and crossings and 6 mixed gauge crossings. These are mostly in and about the Steel Melting Shops and Stripper Yard. In addition there are about six miles of 30" gauge chiefly for delivery of sand from the Subarnarekha river.
6. The expansion plan calls for the addition of about 25 miles of standard gauge track including a new material reception yard. In addition much of the existing narrow gauge mileage is to be replaced by standard gauge.

Rolling Stock

7. The present rolling stock inventory totals 1057 wagons of practically all types including among others open top, flat, covered, hand dump and air dump wagons, coal and acid tankers and coal and coke hoppers. This equipment is used chiefly for inter Works traffic and is barely adequate therefor. It is contemplated to build an additional 100 wagons in the next three years. These, however, will be chiefly in the nature of replacements and to alleviate the present shortage. Additional wagons will be required if the expansion programme is executed.

Weigh Bridges

8. There are 10 Weigh Bridges of which seven are used for weighment of incoming and outgoing loads, one for hot metal and two for hot ingots. Of these eight are standard gauge and two narrow gauge. They range in capacity from 40 to 160 tons.
9. All of the above sub divisions have certain facilities for repair and maintenance of the right of way and equipment. Improvements in these facilities are contemplated in the 6 year programme.
10. The actual cost and estimated current replacement cost shown below apply to the facilities enumerated in the property account of the Traffic department, including in addition to the above specific items, miscellaneous auxiliaries and departmental services, utilities and buildings:

Actual cost	Rs. 1,64,61,555-14-11
Estimated current replacement cost	4,38,19,135

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